Work Order ID Thursday, September 29, 2								Page 1
Item ID: D3492-3 Revision ID: Item Name: Plug		Accept			IIII Se	etup Start Stop		
Start Date: 9/29/201 Required Date: 10/14/20 Reference:			Cust Item I Customer:	D:			1 1881(181 81	
Approvals: Process QC:	Plan: M.L. J	Date: 9/29/// Tooling: Date: SPC (Y/N		nte:	R	un Start Stop		
Sequence ID/ Work Center ID	Operation Description	Set Up. Run H		Tool # Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr						· · · · · · · · · · · · · · · · · · ·	
D3492	D							
100 Hardinge	Hardinge CNC LATHE	0.00 SMALL 0.00			80	Ø		
Hardinge CNC Lathe Small	1-Turn as p Dwg Rev:_ Folio Rev:_	per Folio FA632 & Dwg D3492	119/30)			/		·
110 	QC2- Inspect parts off i	machine FAI/FAIB 0.00	: 		89	Ø		

0.00

120 QC

Quality Control

QC8- Inspect parts - second check

Memo

0.00

Dart Aerospace	e Ltd
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W/O:			WORK ORDER (CHANGES				
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Category:	NCR: Y	es No D C	A:	Date: _	
	Resolution	on:	Disposition:	QA: N/0	Closed: _		Date: _	<u>.</u>
			WORK ORDER NON-CON	FORMANCE (N	ICR)			

NCR:			WORK ORD	ER NON-CONFORMANG	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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	;			<i>,</i>				
		1						
					1			

Work Order ID 74447

Page 2

Thursday, September 29, 2011 2:45:03 PM

Item ID:

D3492-3

Accept

Setup Start



Revision ID:

Start Date:

Item Name:

Plug

9/29/2011

Start Qty: 80.00

Req'd Qty: 80.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

Stop



Required Date: 10/14/2011

QC:

SPC (Y/N): Date:

Date:

Stop



Sequence ID/ **Work Center ID**

130

HandFinish

Hand Finishing

Operation **Description**

Chemical Conversion Coat per QSI005 4.1

Run Hours

Set Up/

0.00

Tool ID

Tool # Plan Code

Accept Oty

Reject Qty

Reject Number Stamp

Insp.

0.00

140

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00



Powder Coating

M118439

Memo

Memo

(Flat End Only) START TIME:

OVEN TEMPERATURE

FINISH TIME:

QC3- Inspect Part Finish

0.00

Memo

0.00

80 BL 11-10-6.

Quality Control

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		A A STATE OF THE S				,,		Prod Mgr	
	!								
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DG	A:	Date: _	
	R	esolution:	Dispositio	n:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NC	₹)			
DATE	OTED	Description of NC			ion B	Verif	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date		tion C	Chief Eng	QC Inspector
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		3							

Work Order ID 74447

Page 3

Thursday, September 29, 2011 2:45:03 PM

Item ID:

D3492-3

Accept



Setup Start



Stop

Revision ID:

Plug Item Name:

9/29/2011

Start Oty: 80.00

Operation

Description

Req'd Qty: 80.00

Cust Item ID:

Customer:

Reference:

Start Date:

Approvals:

Process Plan:

Date:

Date:

Tooling: SPC (Y/N):

Set Up/

Date:

Date:

Run

Start

Stop

Sequence ID/ **Work Center ID**

160

Required Date: 10/14/2011

Packaging

Memo

Identify as per dwg & Stock Location:

0.00

Run Hours

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Packaging

170

QC21- Final Inspection - Work Order Release

0.00

Quality Control

Memo

0.00

W/O:				WORK ORD	ER CHANGES					
DATE	STEP		PRO	CEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	o:		PAR #:	Fault Category:	NC	R: Yes	No DQ	A :	Date: _	
	F	Resolution:		Disposition:	QA	: N/C (Closed:		Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B			Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Chief Eng	QC Inspector	

Picklist Print

Thursday, September 29, 2011 2:45:11 PM

Work Order ID: 74447

Parent Item: D3492-3

Parent Item Name: Plug



Start Date: 9/29/2011

Required Date: 10/14/2011

Page 1

Start Qty: 80.00

Required Qty: 80.00

Comments:

IPP Rev:A 11.04.19 per dwg revC DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6R0.750		Purchased	No			100	f	13.8530	0.06	5.052632	C	119/	30.

6061-T6 Round Bar .750"

Location	Loc Oty	Loc Code
MAT013	13.853	
112442	0.796	
116406	0.617	
117481	2.76	
118106	9.68	



W/O:			WORK ORDER (CHANGES				
DATE	STEP	PRO	CEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Dort Ma		DAD #-	Foult Octobroms	NCD: Vo	. No. DC	Α.	Data	
Part No);	PAR #:	Fault Category:				Date: _	
	R	esolution:	Disposition:	QA: N/C	Closed:		Date: _	

NCR:		<u> </u>						
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto
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DART AEROSPACE LTD	Work Order:	74447
Description: Plug	Part Number:	D3492-3
Inspection Dwg: D3492 Rev: D		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.750	+/-0.010	0.750			21-3	
Ø0.582	+0.008/-0.001	0.582	. /	_		
0.045	+0.000/-0.002	044				
0.060	+/-0.005	-060				
0.060	+/-0.005	7057				
0.500	+/-0.010	KCO.				
0.090	+0.000/-0.002	-087				
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Measured by:	AZ	Audited by:	بال	Preliminary Approval:	
Date:	11/9/30	Date:	11-09-30	Date:	

Rev	Date	Change	Revised by	Approved
Α	06.07.07	New Issue P/O D3492-043	KJ/JLM . S	
В	06.10.16	Ø0.750 was Ø0.625	KJ/JLM	
С	08.09.04	Tolerance revised for Ø0.750	KJ/DD ,∧	
D	11.06.21	Dwg Rev updated	KJ 🗫	11
				7 7

W/O:			WO	RK ORDER CHANG	ES	······································	-					
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
	·											
					•							
Part No	·	PAR #:	Fault Cate	jory:	NCR: Yes No DQA: Date:							
Resolution:		solution:	Disposition	_ QA: N/C (Closed:		Date: _					
NCR:		•	WORK ORDE	R NON-CONFORMA	NCE (NC	R)						
		Description of NC		Corrective Action Section	Section B		cation	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sect	ion C	Chief Eng	QC Inspector			
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	;	¢.						:				
									·			

D3492-XX PLUG (SEE TABLE)--NA\$1611 O-RING (SEE TABLE)

D3492-XXX PLUG PARTS LIST

QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	-051	QTY -053	PART NUMBER	DESCRIPTION
X							D3492-041	PLUG ASSEMBLY
	Х						D3492-043	PLUG ASSEMBLY
		X.					D3492-045	PLUG ASSEMBLY
			Х				D3492-047	PLUG ASSEMBLY
		1 1		Х			D3492-049	PLUG ASSEMBLY
					Х		D3492-051	PLUG ASSEMBLY
						X	D3492-053	PLUG ASSEMBLY
1	-						D3492-1	PLUG
	1						D3492-3	PLUG
		1					D3492-5	PLUG
			1				D3492-7	PLUG
				1			D3492-9	PLUG
					1		D3492-11	PLUG
						1	D3492-13	PLUG
		1					NAS1611-005	O-RING
			1				NAS1611-007	O-RING
1							NAS1611-010	O-RING
						1	NAS1611-012	O-RING
	1						NAS1611-013	O-RING
					1		NAS1611-015	O-RING
				1			NAS1611-016	O-RING

 ${\color{red} {\rm NOTES:}} \ {\color{blue} {\rm 1)}}$ O-RING: POSSIBLE SUPPLIER P/N: NAS1611-XXX OR PARKER 2-XXX

SHOPCORY RETURN TO **ENGINEERING** UNCONTROLLED COLY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER NO 74447

M.L. J. 9/29/11

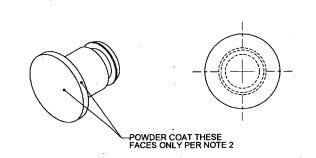
D	INCORPORATED DEO D3492-C-1. SHT 2 DIM C FOR -1 WAS 0.055. (SEE CAR11-048)	AJS	11.05.24
C	ADD -049/-051/-053, CHANGE DRAWING FORMAT	PH	07.10.05
В	ADD -047; UPDATE DIM A FOR -045	PH	06.05.11
Α	NEW ISSUE	PH	06.01.04
REV.	DESCRIPTION	BY	DATE

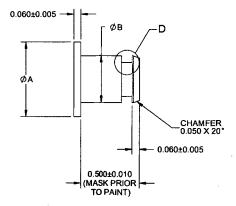
DESIGN	PH	DART AEROSPACE LTD
DRAWN	AS	HAWKESBURY, ONTARIO, CANADA
CHECKED	k	DRAWING NO. REV.
MFG. APPR.	JER	D3492 SHEET 1 OF
APPROVED	VAR	TITLE SCAL
DE APPR.	7	PLUG 2
DATE 11.0	05.24	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT S PRIVATE AND DOWNERDHIM, AND IS SUPPLIED OF THE EXPRESS DOMOTION INVITIT IS MOTTO BE USED FOR ANY THE WESCO. BO (COMPANION TEXT TO ANY OTHER PERSON WITHOUT

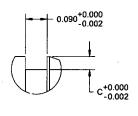
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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				<u> </u>			
Part No):	PAR #: Fault Category: NO	R: Ye	s No DQ	A :	Date: _	

Resolution:		esolution:	Disposit	ion:	QA: N/C Clo	sed:	Date: _	
NCR:		1	WORK OR	DER NON-CONFORMAN	CE (NCR)			
		Description of NC		Corrective Action Section	В	Verification	Approval Chief Eng	Annuaval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Approval QC Inspector
				*				
				· .				







DETAIL D

D3492-XX PLUG

D3492-XX PLUG MACHINING DETAILS

	P/N	A	В	C	MATERIAL SPEC
	D3492-1	0.625	0.394	0.050	M6061T6R0.625
7	D3492-3	10:750	0.582	0.045	M6061T6R0:750
	D3492-5	0.375	0.188	0.045	M6061T6R0.375
	D3492-7	0.500	0.270	0.045	M6061T6R0.500
	D3492-9	0,938	0.750	0.045	M6061T6R1.000
	D3492-11	0.850	0.664	0.045	M6061T6R0.875
	D3492-13	0.750	0.510	0.045	M6061T6R0.750

NOTES:
1) MATERIAL: ALUMINUM 5052-H32 OR 6061-T6 OR 1100-0 PER QQ-A-225/7 (5052) OR QQ-A-225/8 (6061) OR QQ-A-200/8 (6061) OR QQ-A-225/1 (1100) (REF. DART MATERIAL SPEC M606116R0.000)
2) FINISH: CHEMICAL CONVERSION-COAT PER DART QSI 005 4.1 POWDER COAT WHITE GLOSS (4.3.5.1) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED 4) UNITS: INCHES UNLESS OTHERWISE NOTED 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX 6) IDENTIFICATION: N/A 7) WEIGHT: N/A

DESIGN	PH	DART AEROSPACE LTD						
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA						
CHECKED	<u>k</u>	DRAWING NO. REV. D						
MFG. APPR.	JESA	D3492 SHEET 2 OF 2						
APPROVED	\M	TITLE SCALE						
DE APPR.		PLUG 4:1						
DATE 11.0	5.24	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PROVIDE AND COMPENSATION, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO SELUSED FOR MAY PURPOSE OR COMMANDANTED TO MAY OTHER PERSISCH WITHOUT WITH PERSISCH WITHOUT MAY ARROW AND						

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W/O:		WORK ORDER	CHANGES		<u> </u>			
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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		·			<u> </u>			
Part No):	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:		

Resolution:			Disposition:		QA: N/C Closed:		Date:	
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B		В	Verification	Ammuoval	Ammuoval
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